

Title (en)
PROCESS FOR PRODUCING SINGLE CRYSTAL OF OXIDE.

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES OXIDEINKRISTALLS.

Title (fr)
PROCEDE DE PRODUCTION D'UN MONOCRISTAL D'OXYDE.

Publication
EP 0477387 B1 19951122 (EN)

Application
EP 91907709 A 19910417

Priority
• JP 9100510 W 19910417
• JP 10083490 A 19900417

Abstract (en)
[origin: WO9116477A1] A process for producing a single crystal of SrLaGaO_4 by the Czochralski process using the following oxide as a melt of raw material: $\text{Sr}_x\text{?Lay?Gaz?Ow?}$ wherein z , y , x , 0.28×0.325 , $x+y+z=1$, and $w=(2x+3y+3z)/2$. Preferably the melt is formed by rotating the raw material, and further preferably the single crystal is produced in an atmosphere containing reduced amounts of steam and carbon dioxide.

IPC 1-7
C30B 15/00; **C30B 29/22**

IPC 8 full level
C30B 15/00 (2006.01)

CPC (source: EP US)
C30B 15/00 (2013.01 - EP US); **C30B 29/22** (2013.01 - EP US)

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J. Inorg. Nucl. Chem., Vol. 27, 1965, pp. 2683 - 2684, BLASSE G.

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DOCDB simple family (publication)
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